

# Gardner Division EMP

June 25, 2001 Site Visit

# Island A

- Limited Grading
- 10 feet had been cleared for tree removal, ~5 feet were lost to erosion from Flood.
- 6 inch minus and riprap in place, but not shaped.
- Final quantity: 3517 tons 6 inch minus (high), 2279 tons riprap (low)



Island A Head  
End





Island A Tied-in  
End





Island A East  
End

# Island B

- Very little vegetation.
- Sandy material across head of island.
- Some erosion noted.
- Another area requiring rock fill.





Island B East End





Island B Near Head  
End





Island B  
Surface

# Island C

- Significant Erosion since tree clearing.
- High flows in area.
- More rock is anticipated to be required.
- Rock fill is required for this island.





Island  
C



Island C From  
West





Island C Removed  
Trees.





Island C Head  
End





# Island D

- Erosion not as evident at this island.
- Island is heavily vegetated.
- Depth finder discovered 7 feet depth at 18 feet from this Island.





Island  
D



Island D







Island  
D

# Island E

- Erosion is somewhat evident.
- This will be a difficult area to access due to rock structure just upstream.
- Depth finder found 7 feet depth at 18 feet from Island.





Island E





Island  
E



# Long Island at Smoots Chute

- Length of erosion has increased beyond original survey length of 495 feet.
- Significant scour has occurred at the toe of island. Around 20-30 feet at 18 feet from bankline.
- Significant additional rock will be required for this section.



Long Island From Water





Long Island From  
Island B



Long Island Erosion Section





Long Island High  
Bankline





Long Island  
Tree Cut  
Back



# Shandrew Island

- Some 6 inch minus rock was in place.
- Riprap was about to be placed.
- Surface of 6 inch minus (to a depth of a few inches) was washing away.
- Significant fines in the 6 inch minus.



Shandrew Island East End





Shandrew End of Protection





Shandrew Head End





Shandrew West End



**6 inch minus  
rock**

